



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBBP1425-105
Job Sheet 186704



Part No: RBBP1425-105

Job Qty: 2 pcs

Part Name: Engine Input Drive Shaft Tool



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/20/18

Job Tracking No:

Due Date: 12/14/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBBP1425-101 Rev D IPP Rev A 18.03.13 New issue DP Verify DD/DWG RBBP1425-101 Rev D IPP Rev B 18.04.04 DWG update DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Small Fab - 1	2 pcs	12/14/18		0.00	0.20	Small Fab - 1		MLL
							Small Fab - 2		
							Small Fab - 3		
							Small Fab - 4		
							Small Fab - 5		
							Small Fab - 6		
							Small Fab - 7		
110	QC 5	2 pcs	12/14/18		0.00	0.00	QC 5 - 10		
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 38		
							QC 5 - 42		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
130	Packaging 3-1 - Stock - B4B	2 pcs	12/14/18		0.00	0.00	QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
							Packaging 3 - 1 - B4B		
							Packaging 3 - 2 - B4B		
							Packaging 3 - 3 - B4B		
							Packaging 3 - 4 - B4B		
							Packaging 3 - 5 - B4B		



Container No: S156319



Part: RBBP1425-105

Job No: 186704

Serial No/Batch: S156319

Revision: D

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 02/25/19

				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140	QC 21 - SA	2 pcs	12/14/18	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
Part Op 100 - Small Fab-9 (Small Fab) Assemble as per DWG sheet 8. hand tighten nuts.					
Descriptions: 110 - QC5 (QC5- Inspect part completeness to step on W/O)					
130 - Packaging3-2 (Identify as per dwg & Stock Location:) IDENTIFY AND STOCK					
140 - QC21 (QC21- Final Inspection - Work Order Release)					
Job BOM					
Part / Item	Component Name	Quantity	Operation	Container	
90480A235	Hex Nut	4 Ea (2 ea)	100-Small Fab - 1		515038
92141A031	Washer	4 Ea (2 ea)	100-Small Fab - 1		5148063
RBBP1425-105-01	Base	2 pcs (1 ea)	100-Small Fab - 1		5106670
RBBP1425-109	Engine Cable Assembly	4 pcs (2 ea)	100-Small Fab - 1		5154535
Job Allocations					
Operation	Component Part	Required	Inventory	Allocated	
100-Small Fab - 1	90480A235	4	48	0	
	92141A031	4	45	0	
	RBBP1425-105-01	2	5	0	
	RBBP1425-109	4	6	0	
Part Specifications					
Specifications could not be found.					

DAS
28
9-89

DAS
21
9-89

FEB 20 2018

65
54
135
14115



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Part Name: Engine Input Drive Shaft Tool



Part Weight: 0 lbs

Status: New

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Job Tracking No:

Due Date: 12/14/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBBP1425-101 Rev D IPP Rev A 18.03.13 New issue DP Verify DD/DWG RBBP1425-101 Rev D IPP Rev B 18.04.04 DWG update DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea		12/14/18	0.00	0.00	Start Up Small Fab-4		
100	Small Fab	2 pcs		12/14/18	0.00	0.20	Small Fab-9		
110	QC	2 pcs		12/14/18	0.00	0.00	QC5		
130	Packaging	2 pcs		12/14/18	0.00	0.00	Packaging3-2		
140	QC21-SA	2 Ea		12/14/18	0.00	0.00	QC21		

Part Op 100 - Assemble as per DWG sheet 8. hand tighten nuts.
Descriptions: 130 - IDENTIFY AND STOCK

Part / Item	Component Name	Operation	Container
90480A235	Hex Nut	Start up Operation	
92141A031	Washer	Start up Operation	
RBBP1425-105-01	Base	Start up Operation	
RBBP1425-109	Engine Cable Assembly	Start up Operation	

Operation	Component	Required	Inventory	Allocated
90-Start up Operation	90480A235	4	70	0
	92141A031	4	76	0
	RBBP1425-105-01	2	10	0
	RBBP1425-109	4	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

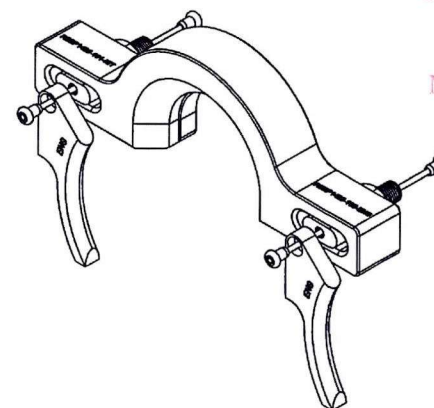
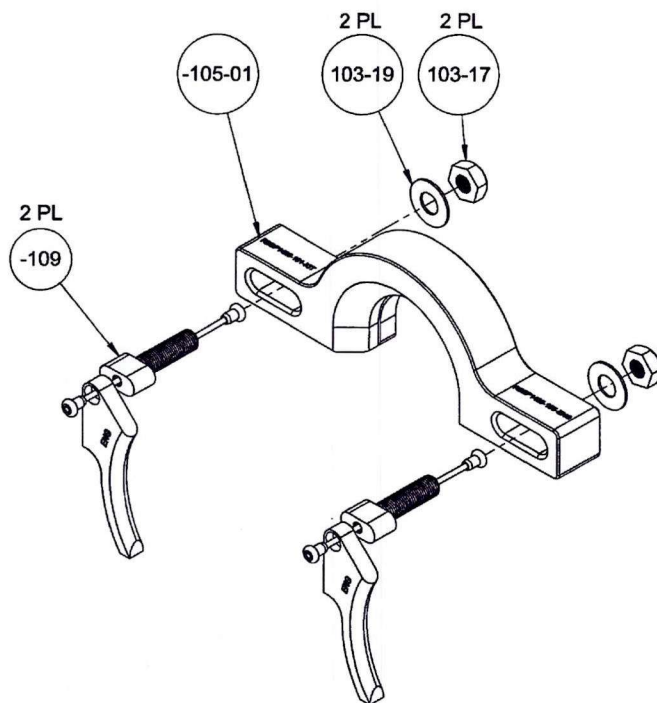
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____																							
Misidentified ☐	Past Due ☐																								

ITEM #	QTY	PART #	TITLE
-105-01	1	RBBP1425-105-01	BASE
-109	2	RBBP1425-109	ENGINE CABLE ASSEMBLY
103-17	2	McMaster#90480A235	HEX. NUT 3/8"-24 UNF
103-19	2	McMaster#92141A031	FLAT WASHER 3/8" DIA

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
C	TEMPLATE UPDATED, TEMPLATE CHANGED	17-647	18.1.23	VM	ML



SHOP COPY
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ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 186704 ML
18-11-20

RBBP1425-105 ENGINE INPUT DRIVESHAFT TOOL ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) HEAT TREAT: N/A
- 4) SPEC: N/A/N/A
- 5) BREAK ALL SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) PART OF KIT RBBP1425-101
- 8) REF. BELL T/N SKSP1425-105

DART AEROSPACE		Hawkesbury, Ontario, Canada	
TITLE ENGINE INPUT DRIVESHAFT TOOL ASSY			
PART NO. RBBP1425-105		REV D	
TOOL NO. RBBP1425-105		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES INTERPRET PER ASME Y14.5M-2009 DIMENSIONS APPLY AFTER FINISHING	
DESIGNED BY: VM 1/23/2018	INITIALS AND DATE	TOLERANCES:	FRACTIONS ± 1/8
DRAWN BY: ML 03/20/2018		XX ± .005	ANGLES ± .5°
CHECKED BY: ML 03/20/2018		XX ± .01	SURFACE
MFG REVIEW BY: DP 03/20/2018		X ± .1	ROUGHNESS
APPROVED BY: ML 03/26/2018		SCALE: NTS	SHEET 8 OF 12
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